FIG. 1
Background Art

Syntax	Bits	Format
terrestrial_virtual_channel_table_section(){		
table_id	8	0xC8
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
transport_stream_id	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
num_channels_in_section	8	uimsbf
for(i=0; i<num_channels_in_section; i++){		
short_name	7*16	unicode™ BMP
reserved	4	'1111'
major_channel_number	10	uimsbf
minor_channel_number	10	uimsbf
modulation_mode	8	uimsbf
carrier_frequency	32	uimsbf
channel_TSID	16	uimsbf
program_number	16	uimsbf
ETM_location	2	uimsbf
access_controlled	1	bslbf
hidden	1	bslbf
reserved	6	'111111'
service_type	6	uimsbf
source_id	16	uimsbf
reserved	6	'111111'
descriptors_length	10	uimsbf
for(i=0; i<N; i++) {		
descriptors()		
}		
} /* end of for loop */		
reserved	6	'111111'
additional_descriptors_length	10	uimsbf
for(j=0; j<N; j++){additional_descriptors()		
}		
CRC_32	32	rpchof
}		

FIG. 2

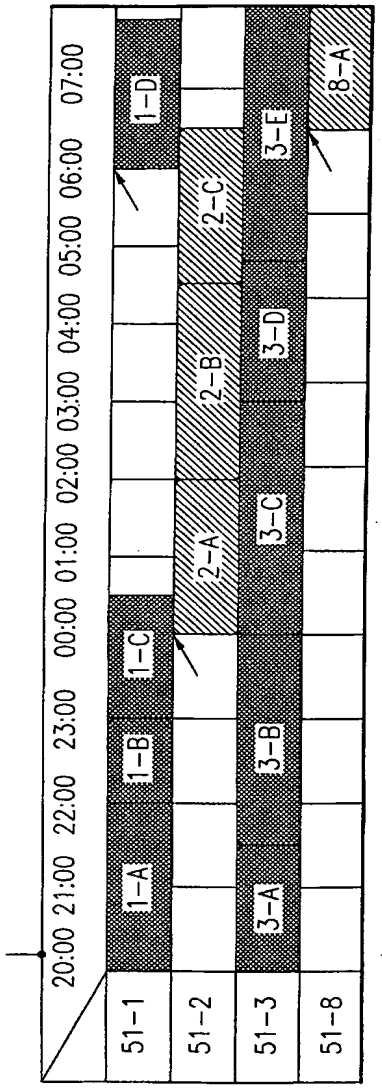

FIG. 3

Syntax	Bits	Format
terrestrial_virtual_channel_table_section(){		
table_id	8	0xC8
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
transport_stream_id	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
num_channels_in_section	8	uimsbf
for(i=0; i<num_channels_in_section; i++){		
short_name	7*16	unicode™ BMP
reserved	4	'1111'
major_channel_number	10	uimsbf
minor_channel_number	10	uimsbf
modulation_mode	8	uimsbf
carrier_frequency	32	uimsbf
channel_TSID	16	uimsbf
program_number	16	uimsbf(invention-1)
ETM_location	2	uimsbf
access_controlled	1	bslbf
hidden	1	bslbf
#ifdef(invention-2)		
reserved	2	'11'
inactive_channel	1	bslbf
reserved	3	'111'
#else(original)		
reserved	6	'111111'
#endif		
service_type	6	uimsbf
source_id	16	uimsbf
reserved	6	'111111'
descriptors_length	10	uimsbf
for(i=0; i<N; i++) { descriptors()(invetion-3) }		
} /* end of for loop */		
reserved	6	'111111'
additional_descriptors_length	10	uimsbf
for(j=0; j<N; j++){additional_descriptors()		
}		
CRC_32	32	rpchof
}		

FIG. 4

Syntax	Bits	Format
cable_virtual_channel_table_section(){		
table_id	8	0xC8
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
transport_stream_id	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
num_channels_in_section	8	uimsbf
for(i=0; i<num_channels_in_section; i++){		
short_name	7*16	unicode™ BMP
reserved	4	'1111'
major_channel_number	10	uimsbf
minor_channel_number	10	uimsbf
modulation_mode	8	uimsbf
carrier_frequency	32	uimsbf
channel_TSID	16	uimsbf
program_number	16	uimsbf(invention−1)
ETM_location	2	uimsbf
access_controlled	1	bslbf
hidden	1	bslbf
path_select	1	bslbf
out_of_band	1	bslbf
#ifdef(invention−2)		
inactive_channel	1	bslbf
reserved	3	'111'
#else(original)		
reserved	4	'1111'
#endif		
service_type	6	uimsbf
source_id	16	uimsbf
reserved	6	'111111'
descriptors_length	10	uimsbf
for(i=0; i<N; i++) {		
descriptors()(invention−3)		
}		
} /* end of for loop */		
reserved	6	'111111'
additional_descriptors_length	10	uimsbf
for(j=0; j<N; j++){additional_descriptors()		
}		
CRC_32	32	rpchof
}		